

MOCREO®
LB1 LoRa Strobe Siren
User manual

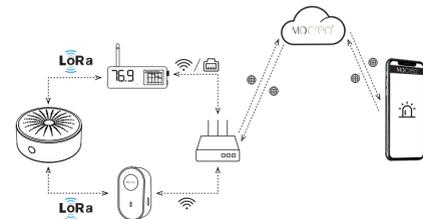
Introduction

LB1 Smart Sound & Light Alarm

- **Ultra-Long Range (LoRa):** Features advanced technology for instant command reception with a range up to 2000 ft (Line-of-Sight).
- **Intelligent Automation:** Seamlessly integrates with the MOCREO Hub. Trigger alarms automatically based on sensor data (Temp/Humidity/Door) or manual App commands.
- **Customizable High-Intensity Alerts:** Equipped with a powerful buzzer and bright LEDs. Configure Audible & Visual alerts independently or combined to suit your needs.
- **Precision Control:** Easily adjust volume and LED status via the MOCREO App. Includes "Night Mode" and a physical button to silence active alarms.

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How the System Works



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Usage Scenarios

The LB1 Siren is designed to work seamlessly within the MOCREO ecosystem. It does not operate independently and must be paired with a MOCREO Hub and Sensors. When a paired sensor triggers an alert, the LB1 provides immediate localized audible and visual (strobe) notifications.

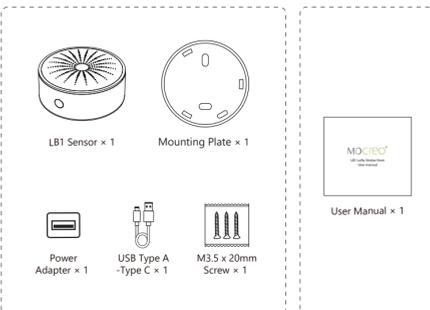
- **Leakage Defense:** Triggers siren and strobe if Water Sensors detect a leak.
- **Environmental Alerts:** Triggers siren and strobe if Temperature or Humidity Sensors detect abnormal environmental fluctuations.
- **Security Control:** Triggers siren and strobe if Door/Window Sensors detect an unexpected opening.

How to Configure:

1. Open MOCREO Smart App
2. Go to Sensor Alert Settings
3. Select "LB1 Siren" as the alert device

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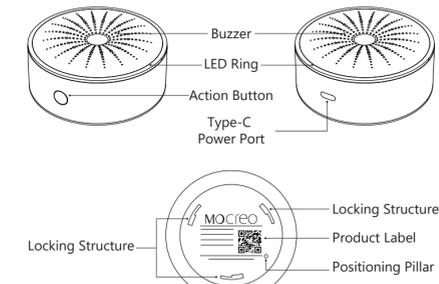
What's in the Box



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Product Parameter

LB1 Siren



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Specifications

Model	LB1
Wireless Protocol	LoRa 915MHz
Communication Range	Up to 2000 ft (Line-of-Sight)
Power Supply	Type-C Interface
Operating Temperature	32°F to 122°F (0°C to 50°C)
Alarm Modes	Audible (Buzzer) & Visual (Strobe)
Buzzer Volume	Adjustable (0-3 levels)
Sound Level	120 dB at 1m
Visual Alarm	Adjustable (0-3 levels)
IP Rating	IP54

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Button Operations

Action	LED Indicator	Buzzer / Sound	Description
Single Press	Flashes blue on press, and again on Hub response	Beeps once (if successful)	Test: Sends signal to Hub to verify connection.
Single Press (During alarm)	None	Sound stops	Silence: Locally silences the active sound and light alarm.
Double Click	None	Beeps at new level	Adjust Volume: Cycles through 4 levels (0-3).

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Device Status

Action	LED Indicator	Buzzer / Sound	Meaning
Power On	Pink flashes briefly	None	Device is initializing.
Standby	Green (Constant On)	None	Device is normal. (Brightness adjustable via App: 0-3 levels)
Alarm Triggered	Blue & Red flash alternately	Active Alarm Sound	The alarm has been triggered.

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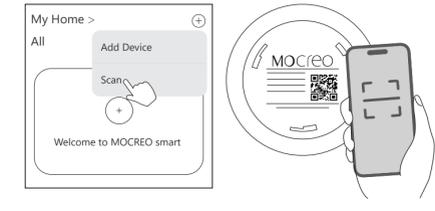
Setup

1 Download MOCREO Smart App



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2 Open the app to add the LB1 Siren



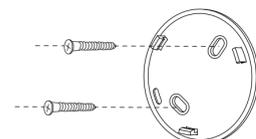
Ensure you have added a compatible Hub (H5Pro, H6Pro, or other future LoRa Hubs)

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Mounting Instructions

1 Fix the Mounting Plate

Take out the Mounting Plate. Secure the Mounting Plate to the desired surface by driving screws through the two oval-shaped mounting holes.

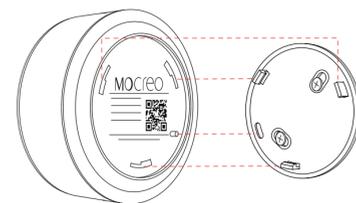


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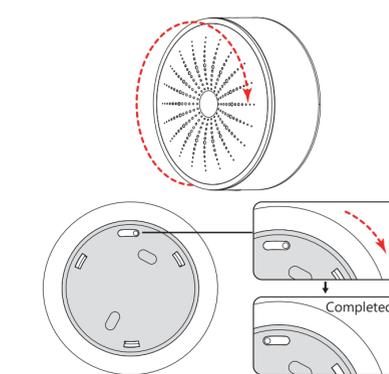
2 Install the LB1 Siren

Align the positioning slots on the Mounting Plate with the pillars on the bottom of the LB1 Siren.

Once aligned and joined, rotate the LB1 Siren unit slightly clockwise to lock it securely in place.



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Customer Service

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 Search [MOCREO] on YouTube to watch the setup video tutorials.

FCC ID (LB1 Siren): 2BFZL-LS1

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